

Theory of Online Market Gravity – Conditional Belonging and Outcomes

Sarah Springsteen Trumble

Working Paper

Abstract

This paper introduces the *Conditional Belonging Principle* — a structural mechanism in which conditional access to a desirable group produces unconditional obedience to that group’s implicit or explicit values. This dynamic helps explain user persistence and self-erasure across digital platforms, particularly in labor and dating markets. While platforms position themselves as meritocratic intermediaries, they often operate by controlling perceived access to opportunity, legitimacy, or community. As access becomes more conditional, user behavior shifts toward compliance, even when platform outcomes degrade. The paper situates this insight within broader conversations on algorithmic power, trust asymmetry, and digital obedience. It concludes that structural change cannot emerge from platform incumbents and outlines alternative models for restoring agency through external trust infrastructures and outcome-based signal layers (see Section 7.4).

1. Introduction

Digital platforms have become central to how people pursue employment, relationships, and community. But as these systems scale, they increasingly impose behavioral norms and optimize for metrics that do not reflect user success. In many cases, platforms appear to fail the very people they claim to serve — job seekers, daters, and communities — yet users continue to adapt themselves to platform logic.

This paper proposes an explanatory mechanism:

Conditional belonging to a desirable group breeds unconditional obedience to that group's values.

We call this the *Conditional Belonging Principle*. It describes how platforms enforce behavioral conformity by mediating access to high-value groups (e.g., "the employable," "the attractive," "the legitimate") and subtly transforming users' incentives from outcome-seeking to compliance-seeking (see Section 2.3).

This mechanism is not unique to labor markets, but labor is a particularly instructive example — where the stakes include survival, identity, and social recognition. In platform-mediated labor systems, users often perform conformity rituals (e.g., resume keywording, branding, emotional performativity) even when such efforts yield little tangible success (see Section 3.1).

2. Defining the Principle

2.1 Conditional Belonging

In many digital contexts, access to visibility, opportunity, or status is contingent upon a user's ability to perform certain platform-acceptable behaviors. This may involve optimizing for algorithms, adhering to unwritten aesthetic norms, or signaling alignment with dominant group values. Belonging is never guaranteed — it is always conditional.

2.2 Desirability of the Group

The more desirable the group (e.g., employable professionals, desirable dating candidates, thought leaders), the more users are willing to adapt. Desirability is defined not only by status, but also by access to survival (in labor markets) or intimacy (in dating platforms).

2.3 Unconditional Obedience

As conditionality increases and stakes rise, users often shift from strategic engagement to full behavioral conformity. Obedience becomes untethered from actual outcomes; it is maintained by the hope of access. Users optimize for inclusion, not success.

This mirrors historical insights into social conformity (Asch, 1955), status anxiety (de Botton, 2004), and algorithmic nudging (Yeung, 2017). But here, the mechanism is structurally embedded — obedience is not merely psychological, it is economically and socially incentivized through platform design (see Section 4).

3. Platform Case Studies

3.1 Labor Platforms

Job seekers routinely alter resumes, suppress gaps, exaggerate credentials, and perform artificial enthusiasm. These behaviors are often encouraged by resume tools and applicant tracking systems (ATS), which enforce hidden rules for visibility. Users persist in these rituals even when outcomes remain poor — not because they work, but because noncompliance risks invisibility (Trumble, 2024).

3.2 Dating Platforms

Dating app users perform desirability through filters, bios, aesthetic alignment, and strategic signaling. Research shows racial, class, and gender biases in swipe patterns (Rudder, 2014). Users adapt accordingly, sometimes altering their identities or behaviors to fit platform-favored archetypes. This too is obedience to conditional belonging (see Section 2.1).

4. Mechanism: How Platforms Incentivize Obedience

Platforms often rely on three structural levers:

1. **Controlled Visibility:** Platforms restrict access to visibility (e.g., ranked search results, pay-for-promotion) to create perceived scarcity.
2. **Opaque Gatekeeping:** Algorithms obscure criteria for success, forcing users into trial-and-error compliance.
3. **Asymmetric Feedback:** Users receive little meaningful signal; platforms collect all the data.

As Hirschman (1970) observed, voice declines when exit is costly. In digital labor markets, exit from the system may mean social or economic precarity — making obedience the only viable strategy (see Section 5).

5. Scarcity Illusion and Its Reinforcement

The illusion of scarcity is central to platform obedience. Platforms simulate excess demand for opportunity (ghost jobs, inflated desirability metrics) while throttling access to real opportunity. This illusion disciplines user behavior and extracts engagement even when platform efficacy is low.

Media systems often reinforce this illusion, especially when visibility can be purchased. This enables dominant actors to shape the perception of opportunity — further deepening conditionality (see Section 7.2).

6. Why Platforms Will Not Reform Themselves

Because platform revenue is often tied to **engagement**, not user outcomes, there is no internal incentive to dismantle the obedience structure. In fact, platforms may be economically penalized for improving efficiency — as success would reduce user dependence.

This aligns with critiques of digital enclosure (Zuboff, 2019), where user activity is commodified, and platform dysfunction becomes a source of sustained revenue, not a bug. Reform efforts will require **external system actors** (see Section 7.4).

7. Toward Structural Liberation

Escaping the Conditional Belonging trap requires more than platform reform — it demands structural realignment. Because dominant platforms profit from obedience and maintain the illusion of scarcity to enforce it, they will not dismantle the system that sustains them. Therefore, liberation must come from outside those platforms — through new trust structures, actors, and tools that shift power back to users.

7.1 Re-center User Outcomes

Digital systems must be judged not by engagement metrics, but by *what happens to users after the platform*: employment, relationships, belonging. This reframes the goal from optimizing behavior within the system to enabling agency beyond it.

7.2 Break the Scarcity Illusion

Much of the pressure to conform arises from artificial scarcity — hidden jobs, inflated competition, manufactured urgency. This illusion must be disrupted by external truth signals: verified job quality, real opportunity indexes, and transparent data flows.

7.3 Restore Mutual Signal and Accountability

Feedback must flow both ways. Job seekers and employers, daters and platforms, users and algorithms — all require visibility into what works, what fails, and what patterns persist. Two-sided review systems and public signal architectures are essential to breaking asymmetry.

7.4 Who Can Build This?

Change will require structural actors such as:

- **Public infrastructure** (e.g., mandated transparency in hiring or media)
- **Protocol-level innovations** (e.g., open trust graphs, decentralized outcome records)
- **Mission-aligned platforms** (e.g., cooperative or nonprofit job boards)
- **Signal-based platforms** (e.g., The Job Applicant Perspective) that reveal patterns without re-centralizing power

The goal is not to create a better platform — it is to build a better *verification layer* beneath all platforms (see Section 5 and Section 6).

8. Conclusion

The Conditional Belonging Principle reveals how users adapt to systems that do not serve them — not because they believe in the system, but because they fear exclusion from what it promises.

As long as access is conditional and belonging is perceived as scarce, obedience will persist, even in the absence of real outcomes.

True reform requires actors who do not profit from the obedience loop — and systems that prioritize truth over engagement.

References

(APA 7 format, expanded citations available upon request)

- Asch, S. E. (1955). Opinions and social pressure. *Scientific American*, 193(5), 31–35.
- de Botton, A. (2004). *Status Anxiety*. Pantheon.
- Hirschman, A. O. (1970). *Exit, Voice, and Loyalty: Responses to Decline in Firms, Organizations, and States*. Harvard University Press.
- Rudder, C. (2014). *Dataclysm: Who We Are (When We Think No One's Looking)*. Crown.
- Trumble, S. S. (2024). *Digitizing Deference: How Algorithmic Hiring Crystallized Legacy Power Structures in Modern Job Seeking*. SSRN.
- Yeung, K. (2017). ‘Hypernudge’: Big Data as a mode of regulation by design. *Information, Communication & Society*, 20(1), 118–136.
- Zuboff, S. (2019). *The Age of Surveillance Capitalism*. PublicAffairs.